

| Cutting, Drilling, and Tapping Oils |   |           |                         |  |
|-------------------------------------|---|-----------|-------------------------|--|
| Impacts                             | Units <sup>1</sup>                          | G7P9-0008 | AJTK-0035               |  |
| Acidification                       | millimoles H <sup>+</sup> equivalents       | 2.27E+03  | 2.41E+03                |  |
| Criteria Air Pollutants             | microDALYs                                  | 6.41E-01  | 5.34E-01                |  |
| Ecological Toxicity                 | g 2,4-D equivalents                         | 1.36E+01  | 4.95E+01                |  |
| Eutrophication                      | g N equivalents                             | 1.16E+00  | 1.96E+01                |  |
| Fossil Fuel Depletion               | MJ surplus energy                           | 1.15E+02  | 4.96E+01                |  |
| Global Warming                      | g CO <sub>2</sub> equivalents               | 5.33E+04  | 6.07E+03                |  |
| Habitat Alteration                  | T&E count                                   | 0.00E+00  | 0.00E+00                |  |
| Human Health                        | g C <sub>7</sub> H <sub>8</sub> equivalents | 9.84E+04  | 3.94E+04                |  |
| Indoor Air Quality                  | g TVOCs                                     | 0.00E+00  | 0.00E+00                |  |
| Ozone Depletion                     | g CFC-11 equivalents                        | 1.03E-06  | 3.26E-07                |  |
| Smog                                | g NO <sub>x</sub> equivalents               | 3.03E+01  | 4.37E+01                |  |
| Water Intake                        | liters of water                             | 1.21E+02  | 4.28E+02                |  |
| Functional Unit                     | -----                                       |           | 1 gallon of tapping oil |  |

<sup>1</sup>Following are more complete descriptions of units: Acidification: millimoles of hydrogen ion equivalents; Criteria Air Pollutants: micro Disability-Adjusted Life Years; Ecological Toxicity: grams of 2,4-dichlorophenoxy-acetic acid equivalents; Eutrophication: grams of nitrogen equivalents; Fossil Fuel Depletion: megajoules of surplus energy; Global Warming: grams of carbon dioxide equivalents; Habitat Alteration: threatened and engangered species count; Human Health: grams of toluene equivalents; Indoor Air Quality: grams of Total Volatile Organic Compounds; Ozone Depletion: grams of chlorofluorocarbon-11 equivalents; Smog: grams of nitrogen oxide equivalents; and Water Intake: liters of water.